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No. II.

METEOROLOGICAL OBSERVATIONS,
FOR ONE ENTIRE YEAR.

MADE by William Dunbar, Esq. at the Forest four and a half miles east of the river Mississippi in North Lat. $31^{\circ} 28'$ and Long. $91^{\circ} 30'$ West of Greenwich, on an eminence about 150 feet higher than the level of the highest waters of the annual inundation of the Mississippi; beginning on the 1st day of February 1799, and ending the 31st January 1800, inclusive.

Communicated by Thomas Jefferson, President of the Society.

Read 16th January, 1801:

IN the following observations, the strength of the wind is divided into four degrees, viz. No. 1. indicates a light Zephyr. No. 2. a brisk breeze. No. 3. a very strong wind. No. 4. a tempest or hurricane. When the course of the wind is noted, but the strength omitted, it is to be understood that the direction of the wind has been observed by the gentle movement of the clouds, or, perhaps, by the progress of smoke, while to the senses a perfect calm reigns below. When two currents of air have been observed, they are noted, the strength referring always to the latter current.

A mercurial thermometer of the best kind made in London, with Fahrenheit's scale adapted, consisting of divisions of one line to the degree, was suspended to the inner part of a column of the northern gallery of a large dwelling house nine feet from the earth, in such a manner that the thermometer was not in contact with the column, being twelve feet distant from the wall of the building, and entirely defended from the sun-beams by surrounding forest trees, while a free circulation of the atmosphere prevailed below. Frequent experiments shewed that during the hot hours of a summer's day, the thermometer being removed into a hall within the building and suspended twelve feet from the wall, the mercury fell from two to two and a half degrees, although a free circulation was maintained by two large open windows and one door in each of the opposite walls of the building.

It may be proper to remark further that the summer of 1799 was accounted cool, the thermometer never having risen above 92° whereas during the warm season of 1800 it was often at 96° and 97° ; though at the same time if the thermometer was placed under a deep shade of surrounding trees, it would fall to 91° . It appears that the proper situation for the thermometer, is such as is completely shaded from the direct sun-beams, but not so as to exclude all influence by reflection from the surface of the earth, being that which will best indicate the influence of atmospheric heat upon vegetation, which is what has been attempted to be shewn in the following journal.

NOTE. The Society have been induced to publish this journal *entire*, as it is certainly the *first* that has been kept with so much accuracy and attention in that part of the world, and may serve as a standard with which to compare future observations.

FEBRUARY.							1799.						
HOURS.			WINDS.		RAIN.	State of the weather.	HOURS.			WINDS.		RAIN.	State of the weather.
DAYS.	TH.	BAR.	PTS.	STR.	IN.		DAYS.	TH.	BAR.	PTS.	STR.	IN.	
Fri. 1	58 66 61	29 58 29 53 29 69	E N W	1	0.25	Drizzly. Moderate rain. Cloudy, calm.	Fri. 15	48 43 41	29 97 29 94 29 94	E E N E E N E			Drizzly. Drizzly. Rain.
Sat. 2	41 57½ 55	29 74 29 71 29 71	N W	2 1		Clouds dispersing. Thin white clouds. Clearing up.	Sat. 16	39 41 35	29 86 29 86 29 86	S E W N W		1 0.66	Drizzly. Rain. Cloudy.
Sun. 3	45 62 45	29 75 29 87 29 93	W: N E E			Clear. Very clear. Thin clouds.	Sun. 17	30 59 49	29 88 29 98 29 98	N W N E	1 1		Clear. Very clear. Very clear.
Mon. 4	39 52 44½	30 15 30 13 30 13	N N E N	1 1		Thin veil of gr. clds. Lt. thin white clouds. Hazy.	Mon. 18	36 64 60	29 96 29 88 29 80	S E S W S W	1		Very clear. Clear wh clds. nr. hor. Clear.
Tues. 5	35½ 57 52	30 12 30 12 30 10	N W: N E E N E	1		Sn. sh. thr' a wht. hze. Do. the air grs. damp. Cloudy, damp.	Tues. 19	59 70 67	29 75 29 62 29 62	S W S W	1 2		Grey clouds. Grey clouds increase. Rain commences.
Wed. 6	55 62 59½	29 86 29 68 29 75	E S E S S W	1 1	1.80	Overcast with dk gr cl Rain Rain, thun, & light'g.	Wed. 20	67 45 39	29 62 29 66 29 78	S N N		0.89 1	Rain. Cold & drizzling. Drizzling.
Thur. 7	55 52½ 42½	29 63 29 70 29 85	S E N W E N E	1 1	3.145	Cloudy, dk. wit. rain. Clouds dispersing. Cloudy.	Thur. 21	29 26 24	29 83 29 83 29 94	N N W N W	1 1 1	0.16	Snow. Small sleet or snow. Clear.
Fri. 8	43½ 34 34	30 10 30 22 30 22	N W N W N W	1 1		Clear. Very clear. Very clear.	Fri. 22	19½ 32 27	30 09 30 09 30 09	N W N W N W	1 1		Very clear. Clear wh clds. nr. hor. Very clear.
Sat. 9	28 36 45	30 26 30 25 30 24	N W N N			Some wh. clds. nr. hor. Very cl. wh. cl. nr. h. Very clear.	Sat. 23	27 46 33	30 00 30 00 30 02	E			Very clear. Thin white clouds. Clear.
Sun. 10	26 55 42	30 21 30 15 30 14	W	1		Clr. ab. thin wh. c.n.h. Clouds increase. Cloudy.	Sun. 24	28½ 60 47	30 05 30 05 30 03	N W S E N W			Clear white clouds. A few white clouds. Clear.
Mon. 11	26½ 64 57	30 14 30 04 30 04	W W	1		Some clouds. Thin white clouds. Cloudy.	Mon. 25	46 61 61	30 03 29 80 29 80	S S E S E		1	Grey and blackish cl. Clear. Drizzly.
Tues. 12	50 54 50	30 00 29 99 29 99	W	1		Rain. Rain. Cloudy.	Tues. 26	66 75 71	29 64 29 56 29 59	S W S W S W	1 1	0.10	Drizzly, sun shi. at ti. Some clouds. Clearing up.
Wed. 13	50 54 51	30 00 29 99 29 99	W E E	1		Rain. Rain. Rain.	Wed. 27	54 55 58	29 74 29 71 29 71	N W N E E	1 1	1.07	Clear. Cloudy. Rain.
Thur. 14	51 55 48	30 025 29 99 29 98	E N E N E	1	0.15	Rain. Cloudy. Rain.	Thur. 28	51 59 48	29 62 29 59 29 73	E N W N W		1	Rain. Rain. Clearing up.

REMARKS.

February 1st, Peach and plum trees in bloom. 3d. Peas in bloom. 13th, The strawberry blossoms. 17th, The horse chesnut buds.

HOURS. 6 $\frac{1}{2}$. 3. 9.							WINDS.			RAIN.	MARCH.	HOURS. 6 $\frac{1}{2}$. 3. 9.							WINDS.			RAIN.	1799.											
DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.	DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.	DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.	DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.							
Fri. 1	41	29 83	N W	1		Clear.	Sun. 17	50	29 83	N	1		Clear.	Mon. 18	29	29 90	N	1		Clear, very clear.	Tues. 19	50	29 68				Cloudy.	Wed. 20	64	29 59	E	1		Rain.
	51	29 97	N W	1		Clear.		75	29 90	N	1		Clear.		57	29 86	S E			Very clear.		66	29 57	S E			Rain.		48	29 68	N W	1		Cloudy.
	44	30 03				Cloudy.		44	29 90	N			Clear.		50	29 80	S E			Cloudy.		66	29 53	E	1	0.11	Rain.		48	29 80	N	1	2.91	Cloudy.
Sat. 2	41	30 05	N			Clear.	Sun. 3	35	30 12	N			Very clear.	Mon. 4	36	30 14	W			Light clds. at the hor.	Tues. 5	41	30 19	N E	1		Clear.	Wed. 6	41	30 19	N E	1		Clear.
	59	30 13	N			Clear.		60	30 19	N	1		Very clear.		60	30 14	N	1		Grey clouds.		60	30 19				Cloudy.		70	30 15	S W	1		Clear.
	41	30 09	N			Clear.		51	30 14							52	30 14	N E					53	30 24					Clear.	53	30 10			
Sun. 3	35	30 12	N			Very clear.	Mon. 4	36	30 14	W			Light clds. at the hor.	Tues. 5	41	30 19	N E	1		Clear.	Wed. 6	41	30 19	N E	1		Clear.	Thur. 7	41	30 10	N E			Very clear.
	60	30 19	N	1		Very clear.		60	30 14	N	1		Grey clouds.		60	30 19				Rain.		72	29 96	S	1		Grey clouds.		72	29 96	S	1		Grey clouds.
	51	30 14						52	30 14	N E					53	30 10				Rain.		61	29 96				Rain.		61	29 96				Rain.
Mon. 4	36	30 14	W			Light clds. at the hor.	Tues. 5	41	30 19	N E	1		Clear.	Wed. 6	41	30 19	N E	1		Clear.	Thur. 7	41	30 10	N E			Very clear.	Fri. 8	57	29 88	E			Rain.
	60	30 14	N	1		Grey clouds.		60	30 19						60	30 19				Rain.		72	29 96				Grey clouds.		67	29 75 $\frac{1}{2}$	N	1		Rain.
	52	30 14	N E					53	30 24						53	30 10				Clear.		61	29 96				Rain.		67	29 75			0.26	Cloudy.
Tues. 5	41	30 19	N E	1		Clear.	Wed. 6	41	30 19	N E	1		Clear.	Thur. 7	41	30 10	N E			Very clear.	Fri. 8	57	29 88	E			Rain.	Sat. 9	58	29 81	W	1		White clouds & clear.
	60	30 19				Cloudy.		60	30 19						60	30 19				Grey clouds.		72	29 96				Grey clouds.		70	29 84	W: N E	1		Clear.
	53	30 24				Clear.		53	30 24						53	30 10				Clear.		61	29 96				Rain.		56 $\frac{1}{2}$	29 84	N			Clear.
Wed. 6	41	30 19	N E	1		Clear.	Thur. 7	41	30 10	N E			Very clear.	Fri. 8	57	29 88	E			Rain.	Sat. 9	58	29 81	W	1		White clouds & clear.	Sun. 10	49	29 90	N E	1		Clear white cl. at hor.
	70	30 15	S W	1		Clear.		60	30 19						60	30 19				Grey clouds.		72	29 96				Grey clouds.		75	29 95	N E	1		Clear.
	53	30 10						53	30 10						53	30 10				Clear.		61	29 96				Rain.		56	29 95	N			Halo round the moon.
Thur. 7	41	30 10	N E			Very clear.	Fri. 8	57	29 88	E			Rain.	Sat. 9	58	29 81	W	1		White clouds & clear.	Sun. 10	49	29 90	N E	1		Clear white cl. at hor.	Mon. 11	45	29 95	N	1		Very clear.
	72	29 96	S	1		Grey clouds.		60	30 19						60	30 19				Grey clouds.		72	29 96				Grey clouds.		75	29 90	N W	1		White clouds.
	61	29 96				Rain.		61	29 96						61	29 96				Rain.		56	29 85	N W			Cloudy, halo.		56	29 95	N			Cloudy, halo.
Fri. 8	57	29 88	E			Rain.	Sat. 9	58	29 81	W	1		White clouds & clear.	Sun. 10	49	29 90	N E	1		Clear white cl. at hor.	Mon. 11	45	29 95	N	1		Very clear.	Tues. 12	45	29 95	N	1		Very clear.
	67	29 75 $\frac{1}{2}$	N	1		Rain.		70	29 84	W: N E	1		Clear.		75	29 95	N E	1		Clear.		75	29 90	N W	1		White clouds.		66	29 77	S	1		Drizzly.
	67	29 75			0.26	Cloudy.		56 $\frac{1}{2}$	29 84	N			Clear.		56	29 95				Halo round the moon.		56	29 85	N W			Cloudy, halo.		64 $\frac{1}{2}$	29 80			0.13	Overcast,
Sat. 9	58	29 81	W	1		White clouds & clear.	Sun. 10	49	29 90	N E	1		Clear white cl. at hor.	Mon. 11	45	29 95	N	1		Very clear.	Tues. 12	45	29 95	N	1		Very clear.	Wed. 13	54	29 88	N E	1		Dark grey clouds.
	70	29 84	W: N E	1		Clear.		75	29 95	N E	1		Clear.		56	29 90	N W	1		White clouds.		75	29 90	N W	1		White clouds.		70	29 89	N	1		Clear.
	56 $\frac{1}{2}$	29 84	N			Clear.		56	29 95						56	29 85	N W			Cloudy, halo.		56	29 85	N W			Cloudy, halo.		57	29 93				Clear.
Sun. 10	49	29 90	N E	1		Clear white cl. at hor.	Mon. 11	45	29 95	N	1		Very clear.	Tues. 12	45	29 95	N	1		Very clear.	Wed. 13	54	29 88	N E	1		Dark grey clouds.	Thur. 14	53	29 94	N E	1		Drizzly.
	75	29 95	N E	1		Clear.		75	29 90	N W	1		White clouds.		75	29 95	N E	1		Clear.		60	29 86	E	1		Cloudy and rain.		60	29 86	E	1		Cloudy and rain.
	56	29 95				Halo round the moon.		56	29 95						56	29 85	N W			Cloudy, halo.		55	29 86				Cloudy.		55	29 86			0.32	Cloudy.
Mon. 11	45	29 95	N	1		Very clear.	Tues. 12	45	29 95	N	1		Very clear.	Wed. 13	54	29 88	N E	1		Dark grey clouds.	Thur. 14	53	29 94	N E	1		Drizzly.	Fri. 15	44	29 80	N	1		Drizzly.
	75	29 90	N W	1		White clouds.		75	29 90	N W	1		White clouds.		75	29 85	N W			Cloudy, halo.		60	29 86	E	1		Cloudy and rain.		56	29 84	N	1		Clearing up.
	56	29 85	N W			Cloudy, halo.		56	29 85	N W					56	29 85	N W			Cloudy, halo.		55	29 86				Cloudy.		49	29 88	N	1		Clear.
Tues. 12	54	29 83	E			Rain.	Wed. 13	54	29 88	N E	1		Dark grey clouds.	Thur. 14	53	29 94	N E	1		Drizzly.	Fri. 15	44	29 80	N	1		Drizzly.	Sat. 16	39	29 88	N W			Very clear.
	66	29 77	S	1		Drizzly.		70	29 89	N	1		Clear.		70	29 89	N	1		Clear.		60	29 86	E	1		Cloudy and rain.		75	29 83	N E			Clear.
	64 $\frac{1}{2}$	29 80			0.13	Overcast,		57	29 93						57	29 93				Clear.		55	29 86				Cloudy.		58	29 77				Clear. A Halo.
Wed. 13	54	29 88	N E	1		Dark grey clouds.	Thur. 14	53	29 94	N E	1		Drizzly.	Fri. 15	44	29 80	N	1		Drizzly.	Sat. 16	39	29 88	N W			Very clear.	Sun. 17	50	29 83	N	1		Clear.
	70	29 89	N	1		Clear.		70	29 89	N	1		Clear.		70	29 89	N	1		Clear.		60	29 86	E	1		Cloudy and rain.		75	29 83	N E			Clear.
	57	29 93				Clear.		57	29 93						57	29 93				Clear.		55	29 86				Cloudy.		58	29 77				Clear. A Halo.
Thur. 14	53	29 94	N E	1		Drizzly.	Fri. 15	44	29 80	N	1		Drizzly.	Sat. 16	39	29 88	N W			Very clear.	Sun. 17	50	29 83	N	1		Clear.	Mon. 18	29	29 90	N	1		Clear.
	60	29 86	E	1		Cloudy and rain.		56	29 84	N	1		Clearing up.		75	29 83	N E			Clear.		59	30 13	N			Very clear.		57	29 86	S E			Very clear.
	55	29 86			0.32	Cloudy.		49	29 88	N			Clear.		49	29 88	N			Clear.		41	30 09	N			Clear.		50	29 80	S E			Cloudy.
Fri. 15	44	29 80	N	1		Drizzly.	Sat. 16	39	29 88	N W			Very clear.	Sun. 17	50	29 83	N	1		Clear.	Mon. 18	29	29 90	N	1		Clear.	Tues. 19	50	29 68				Cloudy.
	56	29 84	N	1		Clearing up.		75	29 83	N E			Clear.		75	29 90	N	1		Clear.		57	29 86	S E			Very clear.		66	29 57	S E			Rain.
	49	29 88	N			Clear.		49	29 88	N			Clear.		49	29 88	N			Clear.		50	29 80	S E			Cloudy.		66	29 53	E	1	0.11	Rain.
Sat. 16	39	29 88	N W			Very clear.	Sun. 17	50	29 83	N	1		Clear.	Mon. 18	29	29 90	N	1		Clear, very clear.	Tues. 19	50	29 68				Cloudy.	Wed. 20	64	29 59	E	1		Rain.
	75	29 83	N E			Clear.		75	29 90	N	1		Clear.		75	29 90	N	1		Clear.		57	29 86	S E			Very clear.		48	29 68	N W	1		Cloudy.
	58	29 77				Clear. A Halo.		58	29 77				Clear.		58	29 77				Clear.		50	29 80	S E			Cloudy.		48	29 80	N	1	2.91	Cloudy.

REMARKS.

1st. Wild cherry buds. 5th, The yellow poplar, red oak, and dogwood in flower. 15th, Trees in general shew their buds or blossoms, excepting the walnut species, including the pacawn and hickory. 26th, Commenced planting cotton, having planted corn with the beginning of the month.

	HOURS.			WINDS.		RAIN.	APRIL.		HOURS.			WINDS.		RAIN.	1799.
	5.	3.	9.						5.	3.	9.				
DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.									
Mon. 1	63 75 64	29 54 29 54 29 53	S N W W	1 3	0.50	Rain. Rain and hail. Clearing up.									
Tues. 2	50 68 57	29 80 29 80 29 80	N W N	1 1		Very clear. Very clear.									
Wed. 3	47 72 61	29 80 29 82 29 82	S			Clear. Grey clouds.									
Thurs. 4	55 68 50	29 86 29 86 29 88	N E E N E E	1 1	0.13	Rain. Rain. Cloudy.									
Friday 5	41 55 44	29 90 29 94 29 94	W N			Cloudy. Clear. Star light.									
Satur. 6	35 64 50	29 94 29 94 29 94	N W N E			Very clear. Clear. Clear.									
Sunday 7	37 71 60	29 94 29 84 29 84	S W S W W	1 1		Very clear. Clear. Clear.									
Mon. 8	56 73 68	29 84 29 76 29 76	W W	1 2		Clear. Cloudy. Stars give dim light.									
Tues. 9	55 66 50	30 00 29 97 29 97	S E W	2 2		Clear. Clear. Clear.									
Wed. 10	44 63 62	29 97 29 84 29 82	W W	1		Clear. White clouds. Cloudy.									
Thurs. 11	55 70 66	29 72 29 70 29 68	W	1	0.02	A few clouds. Cloudy. Rain.									
Friday 12	64 76 72	29 70 29 74 29 74	E			Cloudy. Cloudy. Cloudy.									
Satur. 13	68 81 76	29 74 29 74 29 83	S W			Cloudy. Cloudy. Cloudy.									
Sunday 14	71 78 71	29 88 29 88 29 86	W S E			Fine rain. Fine rain. Cloudy.									
Mon. 15	68 78 73	29 80 29 72 29 64	S E S E	1 2		Cloudy. Cloudy. Cloudy.									
Tues. 16	69 73 68	29 51 29 51 29 51	S S S W	1	0.26	Cloudy. Rain. Clouds thinner.									
Wed. 17	68 84 64	29 63 29 68 29 74	S S W S S W	1 1		Clds. disp. almost clir. Clear. Clear.									
Thurs. 18	61 78 70	29 83 29 85 29 87	N N W N W	1		Very clear. Very clear. Very clear.									
Friday 19	36 76 68	29 87 29 91 29 96	N W N W N W	1		Very clear. Clear. Clear.									
Satur. 20	51 72 64	29 94 29 94 29 85	N W E S	2 1 1		Clr. with thin we. vap. More clouds. Rain commences.									
Sunday 21	64 78 72	29 61 29 58 29 58	S S S	1 1 1	1.140	Rain. Cloudy. Cloudy.									
Mon. 22	72 83 79	29 55 29 51 29 51	S W S W S W	1 2		Cloudy. Cloudy. Cloudy.									
Tues. 23	62 76 68	29 70 29 76 29 82	N W N W N W	1 1 2		Very clear. Clear. Very clear.									
Wed. 24	58 83 78	29 82 29 82 29 82	S S S	1		Very clear. Clear. Clear.									
Thurs. 25	63 81 74	29 82 29 82 29 82	S W S S	1 2 1		Clear. Thin white clouds. Cloudy.									
Friday 26	68 78 75	29 67 29 54 29 60	S E S	1 0.795 2 0.125		Rain. Rain. Cloudy.									
Satur. 27	65 81½ 71	29 67 29 67 29 70	S W S W	1 1		Clearing up. Clear. Very clear.									
Sunday 28	58 86 77	29 77 29 77 29 77	S S W S S	2 1 1		Very clear. Clear. Clear.									
Mon. 29	74 87 78	29 84 29 84 29 79	S S S	1		Thin grey clouds. Clear. Clear.									
Tues. 30	80 77 64	29 63 29 73 29 80	S S S	1 2		Grey clouds. Some drops of rain. Rain.									

REMARKS.

1st. The hail was of a spheroidal form $\frac{3}{8}$ inch in its equatorial diameter, and $\frac{1}{4}$ inch in its axis, very transparent and fell with a N W wind. 10th. Strawberry redens. 12th. Walnut and hickory trees begin to bud, also Linn. Grass pastures begin to furnish abundance of food in the wood lands. 13th. Young artichokes formed and shooting up. 16th, Strawberry ripe. 20th, Green peas and artichokes ripe. 22d, Grubs and caterpillars devour the young cotton, corn and Irish potatoes, &c, the cotton shoots from many of the old stalks. 28th, Windsor beans fit to gather.

DAYS.	HOURS.			WINDS.		RAIN.	MAY.		DAYS.	HOURS.			WINDS.		RAIN.	1799.	
	5.	3.	9.	Pts.	Str.					5.	3.	9.	Pts.	Str.			
	Th.	Bar.	Pts.	Str.	In.		State of the weather.			Th.	Bar.	Pts.	Str.	In.		State of the weather.	
Wed. 1	64	29 90	N W	1			Clear.		Friday 17	67	29 70	W	1			Thin white clouds.	
	70	29 95	N W	2			Clear.			82	29 74	W	1			Clear.	
	60	30 00	N W	1			Very clear.			73	29 77					Clear.	
Thurs. 2	54	30 00	N W				Very clear.		Satur. 18	62	29 88	N W	1			Very clear.	
	77	30 00	N W	2			Very clear.			80	29 88	N W	2			Very clear.	
	64	30 00	N W	1			Very clear.			69	29 88	N W				Very clear.	
Friday 3	56	30 00	N W	1			Very clear.		Sunday 19	58	29 90	N				Very clear.	
	74	30 00	N W	2			Very clear.			83	29 90	N	1			Very clear.	
	64	30 00	N W				Very clear.			72	29 90	S W				Very clear.	
Satur. 4	55	30 04	N W				Very clear.		Mon. 20	60	29 92	S W				Clear.	
	74	30 00	N W				Very clear.			80	29 90	W	1			Clear.	
	60	30 00					Very clear.			73	29 88					Clear.	
Sunday 5	56	30 00	N W	1			Very clear.		Tues. 21	68	29 94	S W	1			Grey clouds.	
	74	30 00					Very clear.			81	29 92	S				A few white clouds.	
	68	29 96	N W				Very clear.			76	29 89					Clear.	
Mon. 6	61	29 97					Very clear.		Wed. 22	72	29 89	S	1			Grey clouds.	
	82	29 99	W	1			Very clear.			86	29 87	S W	2			White clouds.	
	71	29 99	S	1			Very clear.			76	29 83	W	1			Clear.	
Tues. 7	65	29 99	S	1			Very thin we. clouds.		Thur. 23	71	29 80	S W	2			Some white clouds.	
	83	29 98	S				Thin white clouds.			87	29 81	S W	2			Clr, with some wh. c.	
	71	29 98	S	1			Thin clouds.			76	29 80					Clear.	
Wed. 8	65	29 98	S				Clear.		Friday 24	67	29 78	W	1			Some Grey clouds.	
	83	29 98	S	1			White clouds.			86	29 75	W	1			Clear.	
	71	29 98					Clear.			77	29 73					Clear.	
Thurs. 9	61	29 99	S S W	1			Clear.		Satur. 25	77	29 74					Foggy.	
	84	29 99	S S W	1			Clear.			86	29 77	N W	2	0.58		Rain,	
	71	29 99					Clear.			68	29 70					Stars shine dim,	
Friday 10	67	29 96	W N W				Clear.		Sunday 26	63	29 75	W N W				Some white clouds.	
	85	29 93	W N W	1			White clds. at the hor.			82	29 76	W N W	1			Grey clouds.	
	74	29 87	W				Clear.			72	29 76					Star light.	
Satur. 11	64	29 90	W				Foggy.		Mon. 27	64	29 85	W				Clear.	
	84	29 90	W	1			Clear.			85	29 85	S W	1			Clear.	
	72	29 85	S W	1			Clear.			72	29 85	W S W	1			Clear.	
Sunday 12	65	29 90	S S W				Slightly hazy.		Tues. 28	66	29 88					Clear.	
	86	29 88	S S W				Thin veil of white cls.			86	29 91	W				White clouds.	
	73	29 87					Stars shine dimly.			72	29 93			0.02		Cloudy small rain.	
Mon. 13	65	29 90					Grey morning.		Wed. 29	69	29 88	S E	1			Cloudy.	
	84	29 88		2			Grey clouds.			84	29 87	E	1			Thin clouds.	
	73	29 85					Cloudy.			75	29 86					Thin clouds.	
Tues. 14	69	29 81	S S E	1			Grey clouds.		Thurs. 30	69	29 86					Thin clouds.	
	80	29 67	W & S E	1			Cloudy.			85	29 82	S S E				Thin white clouds.	
	75	29 67	S E	1			Cloudy.			74	29 79					Stars shine dimly.	
Wed. 15	73	29 67					Thin clouds.		Friday 31	76	29 81	E				Clear, some clouds.	
	83	29 67	W	1			Thin white clouds.			87	29 81	E	1			Clear.	
	78	29 64	W				Fine veil of white clds			72	29 79					Clear.	
Thur. 16	76	29 71	S W	1			Dark clouds, rain,										
	83	29 68			0.21		Cloudy & rain,										
	72	29 83					Clouds disperse.										

REMARKS.

5th, Poppies in flower. 10th, Black mulberry ripe; gathered ripe turnip seed and cabbage seed; grubs and caterpillars disappear in our field. 12th, French beans fit to eat. 18th, Rye and wheat fit to reap.

HOURS.							HOURS.						
5. 3. 9.			WINDS.		RAIN.	JUNE.	5. 3. 9.			WINDS.		RAIN.	1799.
DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.	DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.
Satur. 1	68 87 78	29 29 29	79 82 85	W W	1 1	Clear. Clear. Clear.	Sun. 16	71 91 78	29 29 29	88 88 88	S E S E	1 1	Clear. Clear. Clear.
Sunday 2	69 87 79	29 29 29	85 85 85			Clear. Clear. Clear.	Mon. 17	72 91 80	29 29 29	89 90 89	S E S E	1 1	Clear. Clear. Clear.
Mon. 3	74 87 72	29 29 29	85 84 83	S E		Clear. Clear. Clear.	Tues. 18	71 92 78	29 29 29	91 90 89	S W S W	1 1	Hazy. Light clouds. Light clouds.
Tues. 4	76 89 67	29 29 29	83 83 82	N E N E	1 1	Clear. Clear. Clear.	Wed. 19	73 91 79	29 29 29	92 91 90	S E S W	1 1	Hazy. Light clouds. Clear.
Wed. 5	69 92 82	29 29 29	83 83 82	E	1	Clear. Clear. Clear.	Thurs. 20	70 92 79	29 29 29	93 92 91	S E S W	1 1	Hazy. Light clouds. Dull star light.
Thur. 6	72 92 80	29 29 29	83 82 80	W	1	Clear. Clear. Clear.	Friday 21	69 92 65	29 29 29	94 94 93	S E S E	3 0.82	Light clouds. Cloudy and rain. Rain, thundergust.
Friday 7	72 88 79	29 29 29	81 81 81	N	2	Clear. Clr. some drops of rain. Clear.	Satur. 22	70 92 75	29 29 29	97 97 97	S E S E	1 0.10	Light clouds. Light clouds. Rain.
Satur. 8	70 87 76	29 29 29	81 81 81	N N W	2 2	Clear. Clear. Very clear.	Sun. 23	71 89 65	29 29 29	98 98 98	S E S E S E	1	Cloudy. Cloudy. Cloudy.
Sunday 9	73 87 70	29 29 29	80 80 80	S W W		Very clear. Very clear. Very clear.	Mon. 24	73 87 89	29 29 29	98 98 97	S E S E S E	1	Cloudy. Clouds & sunshine. Cloudy.
Mon. 10	70 89 73	29 29 29	80 90 94	S W W	1 1	Very clear. Very clear. Very clear.	Tues. 25	76 90 77	29 29 29	96 96 96	S E S E S E	2 2	Clouds. Flying clouds. Cloudy.
Tues. 11	68 84 79	29 30 30	96 02 00	S	0.10	Light clouds. Light rain. Clouds.	Wed. 26	73 80 77	29 29 29	98 97 96	S S S	2 1	Clear. Drizzly. Clear.
Wed. 12	73 90 76	29 29 29	00 96 94	S E S E	1 2	Cloudy. Cloudy. Clear.	Thurs. 27	77 87 76	29 29 29	98 97 96	S S S W	1	Clear. Clouds & fine rain. Clear.
Thurs. 13	72 91 76	29 29 29	94 90 87	S E S W		Light grey clouds. Light grey clouds. Clear.	Friday 28	79 85 74	29 29 29	98 97 96	S W S W S W	1 2 0.71	Clear. Rain. Rain.
Friday 14	69 88 79	29 29 29	86 83 80	S E N E		Clear. Grey clouds. Clear.	Satur. 29	73 86 76	29 29 29	98 97 96	S W S S	1 1 0.21	Clear. Rain. Rain.
Satur. 15	72 92 77	29 29 29	82 85 88	E	3 0.12	Rain. Rain. Clear.	Sunday 30	76 86 75	29 29 29	98 97 96	S E S E S E	2	Clear. Rain. Rain.

REMARKS.

10th, Tender Indian corn fit for use; also, earliest peaches just beginning to ripen. 12th, Cotton in blossom.

METEOROLOGICAL OBSERVATIONS.

HOURS. 4½. 3. 9.						WINDS.		RAIN.	JULY.			HOURS. 4½. 3. 9.						WINDS.		RAIN.	1799.		
DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.				DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.							
Mon. 1	70	29 98	S		1	Cloudy.				Wed. 17	73	29 84				Clear.							
	86	29 97	S E		1	Cloudy.					89	29 83	S E		1	Clouds & sunshine.							
	77	29 96			0.22	Rain.					74	29 82	S W			Clear & fine.							
Tues. 2	73	29 96	S E			Clouds.				Thurs. 18	72	29 84				Fine.							
	89	29 95	S E		1	0.02	Rain.				89	29 83	S E		1	Clear.							
	74	29 95	S W			Clouds.					73	29 82	S W			Fine.							
Wed. 3	73	29 95				Clouds.				Friday 19	70	29 83				Fine.							
	89	29 94	S		1	Clouds.					90	29 82	S W		1	Some clouds.							
	74	29 93				Clouds.					72	29 81				Clear & fine.							
Thur. 4	74	29 94				Clouds.				Satur. 20	72	29 81	S W			Clear & fine.							
	90	29 93	S E		1	Clouds.					91	29 80	S W		1	Some clouds.							
	73	29 92				Clouds.					80	29 80	S W		1	Very fine.							
Friday 5	70	29 90				Clouds.				Sunday 21	73	29 83	S W		1	Very fine.							
	84	29 87	S E		1	1.05	Rain.				90	29 82	S W		1	Very fine.							
	70	29 86				Cloudy.					77	29 80				Very fine.							
Satur. 6	73	29 85				Cloudy.				Mon. 22	71	29 81				Very fine.							
	87	29 84	S E		1	Cloudy.					92	29 82	W			Very fine.							
	80	29 83			0.01	Rain.					83	29 83	S			Very fine.							
Sun. 7-	70	29 82				Cloudy.				Tues. 23	70	29 83				Clear.							
	88	29 81				Small rain.					91½	29 78	N W			Clear.							
	78	29 81				Cloudy.					78½	29 78	N W		1	Clear.							
Mon. 8	75	29 80				Cloudy.				Wed. 24	71	29 79	E			Clear.							
	89	29 80	E		1	Cloudy.					89	29 80	N E		1	Cloudy.							
	80	29 79			0.10	Clear.					80	29 81				Cloudy.							
Tues. 9	73	29 79	E			Cloudy.				Thurs. 25	72	29 84				Cloudy.							
	86	29 80	E		0.25	Cloudy.					90	29 88	N E		1	Clear.							
	77	29 82				Cloudy.					80	29 90				Clear.							
Wed. 10	74	29 83				Cloudy.				Friday 26	70	29 94	S			Clear.							
	90	29 83	E		0.10	Cloudy.					91½	29 97	S		1	Fine.							
	76	29 84	E			Clear.					98	29 91	S W			Fine.							
Thur. 11	73	29 85				Clear.				Satur. 27	76	29 93				Clear.							
	89	29 86	E			Cloudy.					92	29 92	S W		1	Clear.							
	77	29 86				Cloudy.					82	29 91	S W		1	Clear.							
Friday 12	73	29 86	E			Clear.				Sunday 28	75	29 92				Clear.							
	90½	29 87	N E		1	Cloudy.					91½	29 91	S W		1	Clear.							
	83	29 86	S W		1	Clear.					82	29 91	S W			Clear.							
Satur. 13	75	29 86				Cloudy.				Mon. 29	75	29 93				Some clouds.							
	89	29 85	S E		0.10	Cloudy & rain.					91½	29 92	S E			Cloudy.							
	73	29 84	S W			Clear.					73	29 91				Clear.							
Sun. 14	76	29 86				Clear.				Tues. 30	74	29 93				Cloudy.							
	89½	29 85	S E		1	Clouds & sunshine.					92	29 92	S E		1	0.12	Rain.						
	72	29 84	S W			Clear.					73	29 92	S W			Clear.							
Mon. 15	75	29 85				Fine.				Wed. 31	74	29 94				Clear.							
	90	29 84	S E		1	Clouds & sunshine.					89	29 92	S E			Clear.							
	73	29 83	S W			Very clear.					73	29 90				Fine.							
Tues. 16	74	29 84				Clear & fine.																	
	87	29 83	S E		1	0.15	A shower.																
	75	29 82	S W			Fine.																	

REMARKS.

Cotton pods as large as a walnut, on the 15th.

MADE IN THE MISSISSIPPI TERRITORY.

17

HOURS.							AUGUST.							HOURS.							1799.						
4 1/2. 3. 9.							WINDS.							RAIN.													
DAYS.	TH.	BAR.	Pts.	STR.	IN.	State of the weather.	DAYS.	TH.	BAR.	Pts.	STR.	IN.	State of the weather.	DAYS.	TH.	BAR.	Pts.	STR.	IN.	State of the weather.							
Thur. 1	72	29 90	S E	1		Clear. Fine. Fine.	Satur. 17	75	29 81	W N		1	Clear. Thin clouds. Clear.	Sunday 18	69	29 79				Cloudy. Cloudy. Clear.							
	87	29 88						84	29 80						84	29 78											
	78	29 86						73	29 79						72 1/2	29 77											
Friday 2	76	29 86	S W S E E	1	0.03	Light clouds. Light shower. Cloudy.	Mon. 19	65	29 78	N E N E	3	0.05	Very fine. Thundergust & rain. Clear.	Tues. 20	65	29 78	E E E	1	0.40	Rain. Rain. Rain.							
	85	29 85						81 1/2	29 78						79	29 77					68	29 77					
	75	29 85						69	29 78						72	29 79					65	29 82					
Satur. 3	70	29 85	E N E	1	2	1.77	Rain.	Wed. 21	75	29 80	E E	1	Cloudy. Cloudy. Cloudy.	Thurs. 22	66	29 80	S S E	1		Cloudy. Cloudy, drops of rain. Cloudy.							
	86	29 85							66	29 80					82	29 82					72	29 83					
	73	29 86							69	29 78					72	29 79					68	29 85					
Sun. 4	72	29 86	W			Clear. Cloudy. Clear.	Friday 23	83	29 87	S E	1		Cloudy. Cloudy, drops of rain. Cloudy.	Satur. 24	72	29 98	S S	1	0.77	Cl. a st. with heav. ra. Clear. Clear.							
	83	29 86						74	29 88						72	29 98					86	29 96					
	75	29 84						72	29 98						72	29 98					72	29 98	72	29 98			
Mon. 5	71	29 86	N W			Clear. Clear. Clear.	Sunday 25	68	29 97	S N W			Clear. Some clouds. Clear.	Mon. 26	69	29 91	N E E S	1		Clear. Clear. Clear.							
	88	29 86						86	29 96						87	29 88					79	29 87	72	29 88	89	29 87	
	73	29 87						76	29 95						79	29 87					79	29 86	79	29 87	84	29 88	
Tues. 6	69	29 89	N W			Clear. Clear. Clear.	Wed. 28	75	29 91	E E E	1		Foggy. Cloudy. Cloudy.	Thurs. 29	75	29 91	E E E	1		Cloudy. Cloudy. Cloudy.							
	87 1/2	29 89						72	29 99						86	29 96					76	29 95	87	29 92	78	29 91	
	73	29 88						72	29 92						72	29 98					72	29 98	77	29 91	77	29 91	
Wed. 7	68	29 88	N			Clear. Clear. Clear.	Friday 30	73	29 90	E E E			Cloudy. Cloudy. Cloudy.	Satur. 31	73	29 90	E E			Cloudy. Cloudy. Cloudy.							
	90	29 90						72	29 99						86	29 96					76	29 95	87	29 92	78	29 91	
	78	29 91						72	29 92						72	29 98					72	29 98	77	29 91	77	29 91	
Thur. 8	71	29 92	S S W		0.02	Clear. Some clouds & rain. Cloudy.	Sunday 25	68	29 97	S N W			Clear. Some clouds. Clear.	Mon. 26	69	29 91	N E E S	1		Clear. Clear. Clear.							
	89	29 92						86	29 96						87	29 88					79	29 87	72	29 88	89	29 87	
	72	29 92						72	29 98						72	29 98					72	29 98	72	29 98	72	29 98	
Friday 9	69	29 94	S S S W	2	0.72	Cloudy. Rain. Cloudy.	Wed. 28	75	29 91	E E E	1		Foggy. Cloudy. Cloudy.	Thurs. 29	75	29 91	E E E	1		Cloudy. Cloudy. Cloudy.							
	86	29 93						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	
	75	29 92						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	
Satur. 10	70	29 90	S S S W	1		Cloudy. Cloudy. Cloudy.	Friday 30	73	29 90	E E E			Cloudy. Cloudy. Cloudy.	Satur. 31	73	29 90	E E			Cloudy. Cloudy. Cloudy.							
	87	29 90						72	29 99						86	29 96					76	29 95	87	29 92	78	29 91	
	79	29 90						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	
Sun. 11	72	29 90	S S W	1	0.05	Cloudy. Cloudy & rain. Cloudy.	Wed. 28	75	29 91	E E E	1		Foggy. Cloudy. Cloudy.	Thurs. 29	75	29 91	E E E	1		Cloudy. Cloudy. Cloudy.							
	89	29 89						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	
	82	29 89						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	
Mon. 12	75	29 89	S W S W	1		Cloudy. Cloudy. Cloudy.	Friday 30	73	29 90	E E E			Cloudy. Cloudy. Cloudy.	Satur. 31	73	29 90	E E			Cloudy. Cloudy. Cloudy.							
	85	29 89						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	
	80	29 89						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	
Tues. 13	76	29 89	S W S W		0.01	Cloudy. Fine rain. Clear.	Wed. 28	75	29 91	E E E	1		Foggy. Cloudy. Cloudy.	Thurs. 29	75	29 91	E E E	1		Cloudy. Cloudy. Cloudy.							
	88	29 88						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	
	76	29 88						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	
Wed. 14	70	29 86	S E			Cloudy. Clear. Clear.	Friday 30	73	29 90	E E E			Cloudy. Cloudy. Cloudy.	Satur. 31	73	29 90	E E			Cloudy. Cloudy. Cloudy.							
	90	29 85						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	
	79 1/2	29 85						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	
Thur. 15	73	29 84	S W			Clear. Some clouds. Clear.	Friday 30	73	29 90	E E E			Cloudy. Cloudy. Cloudy.	Satur. 31	73	29 90	E E			Cloudy. Cloudy. Cloudy.							
	89	29 83						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	
	79	29 82						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	
Friday 16	76	29 82				Thin clouds. Thin clouds. Clear.	Satur. 31	73	29 90	E E E			Cloudy. Cloudy. Cloudy.	Satur. 31	73	29 90	E E E			Cloudy. Cloudy. Cloudy.							
	89	29 81						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	
	82	29 81						72	29 92						72	29 98					72	29 98	72	29 98	72	29 98	

REMARKS.

31st. Picked cotton.

D

METEOROLOGICAL OBSERVATIONS,

HOURS. 4½. 3. 9.							WINDS.				RAIN.	SEPTEMBER.
DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.						
Sunday 1	73 90 81	29 95 29 94 29 92	E S E S	1 1 1		Thin white clouds. Some white clouds. Clear.						
Mon. 2	75 87 79	29 91 29 90 29 90	E E S			Cloudy. Cloudy. Clear.						
Tues. 3	75 86 77	29 88 29 87 29 86	S E S E S		0.53	Some clouds. Rain. Cloudy.						
Wed. 4	75 87 78	29 85 29 80 29 79	S S E S		1	Cloudy & fog. Cloudy & thunder. Clear.						
Thurs. 5	76 83 76	29 79 29 78 29 78	E S E S W		1	Clear. Some clouds. Some clouds.						
Friday 6	73 87 79	29 78 29 78 29 77	N W N W N W		1	Some clouds. Clear. Clear.						
Satur. 7	72 86 79	29 77 29 77 29 77	N W S W N W		1	Clear. Cloudy. Clear.						
Sunday 8	72 86 77	29 80 29 81 29 82		W		Clear. Clear. Clear.						
Mon. 9	70 90 78	29 83 29 85 29 87		S W		Clear. Clear. Clear.						
Tues. 10	72 90 79	29 87 29 88 29 89		S W	1	Clear. Clear. Clear.						
Wed. 11	72½ 87 79	29 87 29 85 29 83	E S E N		1 0.16	Clear. A little rain. Clear.						
Thurs. 12	75 85 77	29 86 29 87 29 87	E E E		1	Thin clouds. Cloudy. Cloudy.						
Friday 13	73 84 75	29 85 29 84 29 83	E E E		1 1 0.33	Cloudy. Cloudy. Rain.						
Satur. 14	73 82 73	29 84 29 84 29 84	E E E		1 0.42	Cloudy. Cloudy. Rain.						
Sunday 15	70 83 74½	29 85 29 85 29 85	E E E		0.03 1 0.015	Rain last night, cl up. Cloudy, some rain. Cloudy.						

HOURS. 4½. 3. 9.							WINDS.				RAIN.	1799.
DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.						
Mon. 16	72 78 75	29 85 29 79 29 78	E E E		0.53	Cloudy, drops of rain. Rain. Cloudy.						
Tues. 17	75 80 74	29 77 29 76 29 75	E E E		1 0.20	Cloudy. Cloudy & rain. Rain.						
Wed. 18	72 70 65	29 75 29 75 29 78	E N W N W		2	Rain. Clear. Clear.						
Thurs. 19	55 71½ 66	29 84 29 84 29 84	N W N W N		1	Clear. Clear. Cloudy & damp.						
Friday 20	62 84 66	29 83 29 83 29 82	N E N W N W		1	Cloudy. Clear. Clear.						
Satur. 21	60 81 74	29 80 29 83 29 85	N W W N W		1	Clear. Clear. Clear.						
Sunday 22	70 83 75	29 85 29 84 29 82	W W W		1	Clear. Clear. Cloudy.						
Mon. 23	72 76 75	29 80 29 74 29 70	E E W		2 1.31	Cloudy & dark. Rain. Rain.						
Tues. 24	70 79 70	29 63 29 65 29 66	W W W		1 1.33	Rain during the night Cloudy. Cloudy & sunshine.						
Wed. 25	69 78 70	29 68 29 70 29 72	E S S W		1	Cloudy & sunshine. Cloudy. Cloudy. sunshine.						
Thurs. 26	69 75 72	29 4 29 76 29 80	W W W		1	Cloudy. Cloudy. Cloudy.						
Friday 27	66 83 72	29 85 29 89 29 88	N N N		1	Very cleaf. Very fine. Very clear.						
Satur. 28	61 81 71	29 93 29 92 29 90	N N N		1	Very fine. Very fine. Very fine.						
Sunday 29	62 83 72	29 90 29 90 29 89	N N N		1	Very fine. Very fine. Very fine.						
Mon. 30	64 84 73	29 88 29 87 29 86	N N E E		1	Very fine. Very fine. Very fine.						

REMARKS.

2d. Cotton harvest commences.

HOURS.						OCTOBER.						HOURS.						1799.					
4½. 3. 9.			WINDS.		RAIN.	State of the weather.	4½. 3. 9.			WINDS.		RAIN.	State of the weather.										
DAYS.	TH.	BAR.	PTS.	STR.	IN.		DAYS.	TH.	BAR.	PTS.	STR.	IN.											
Tues. 1	69	29 86	S : E	1		Clear, some white cl.	Thurs. 17	49	29 92	N W			Clear.										
	85	29 85	S	1		Many white clouds.		72	29 89	N	1		Clear.										
	73	29 81				A little hazy.		56	29 87	N			Light clouds.										
Wed. 2	69	29 80	W	1		Grey clouds.	Friday 18	47	29 85	N			Light clouds.										
	83	29 80	S E			Grey clouds.		70	29 85	N W	1		Light clouds.										
	74	29 77	S E	1	0.50	Rain.		62	29 84	N W			Clear.										
Thurs. 3	71	29 78	S			Cloudy.	Satur. 19	60	29 82	W			Light clouds.										
	82	29 80	S	2		Cloudy.		76	29 82	W	1		Clear.										
	75	29 82	S			Cloudy.		69	29 83	S			Light clouds.										
Friday 4	71	29 87	N E	1		Cloudy.	Sunday 20	66	29 84	S	1		Foggy.										
	81	29 87	N E	1		Clear.		75	29 84	W	1		Clear.										
	74½	29 86	N	1		Clear.		64	29 85	N W			Clear.										
Satur. 5	62	29 88	N			Clear.	Mon. 21	55	29 94	N W	1		Clear.										
	81	29 89	N	1		Cloudy.		80	29 94	N W			Fine.										
	69	29 93	N	2		Cloudy.		65	29 94	N			Fine.										
Sunday 6	68	29 90	N E			Cloudy.	Tues. 22	60	29 94	E	1		Fine.										
	82	29 88	N E	1		Cloudy.		82	29 94	E	2		Fine.										
	69	29 77				Cloudy.		65	29 94	E			Fine.										
Mon. 7	68	29 85	E	1		Cloudy.	Wed. 23	55	29 94	E			Fine.										
	82	00 00	E	2		Cloudy.		82	29 94	S	2		Clear.										
	69	00 00				Cloudy.		65	29 96	S			Clear.										
Tues. 8	68	29 82	E			Cloudy.	Thurs. 24	68	29 99	S	1		A little cloudy.										
	82	29 79	S	1		Cloudy, a litt, shower.		81	29 99	S E	1		Cloudy.										
	69	29 76	S E	1	1.11	Rain.		73	30 00	S W			Cloudy.										
Wed. 9	67	29 77	E			Cloudy.	Friday 25	66	30 01				Cloudy, sun at interv.										
	60	29 78	N	2	0.10	Rain.		80	29 95	N W : E	1		Dim star light.										
	52	29 79	N			Cloudy.		71	29 94				Clear.										
Thurs. 10	44	29 80	N			Cloudy.	Satur. 26	61	29 90	N W			Clear.										
	52	29 81	N E	2		Cloudy.		76	29 86	N E			Some light clouds.										
	50	29 82	N E			Cloudy.		63	29 85	N E	1		Dim star light.										
Friday 11	46	29 83	N N E			Cloudy.	Sunday 27	47	29 84				Blue fog.										
	62	29 83	N N E	1		Clearing up.		66	29 83	N E	2		Clear & dry.										
	54	29 83	E			Cloudy.		56	29 82				Blue fog, dry.										
Satur. 12	51	29 80	S			Overcast.	Mon. 28	45	29 88	N E	1		Clear.										
	77	29 80	S	1		Lt. clds. with sunsh.		67	29 85	N E			Clear.										
	70	29 79	S			Hazy.		52	29 86				Fine.										
Sunday 13	63	29 79	S W			Cloudy.	Tues. 29	45	29 99	N E			Fine.										
	75	29 78	S W	1		Cloudy.		71	29 99	N E	1		Clear.										
	70	29 78	S W			Clouds with moonsh.		56	30 05	N E			Blue fog.										
Mon. 14	60	29 79	W			Cloudy, damp & cold.	Wed. 30	49	30 11	N E			Clear.										
	67	29 80	W			Cloudy.		68	30 08	N E	1		Clear.										
	56	29 85	N W			Clearing up.		50	30 07	N E			Clear.										
Tues. 15	65	29 88	N W			Clear.	Thurs. 31	45	30 06	N E			Clear.										
	77	29 88	N W	1		Clear.		67	30 00	N E	1		A few clouds.										
	60	29 90	N W			Clear.		50	29 98	N E			Clear.										
Wed. 16	54	29 90	N W			Clear.																	
	75	29 90	N W	1		Clear.																	
	65	29 90	N W			Serene.																	

REMARKS.

10th. Cabbages begin to head; and green peas in season.

METEOROLOGICAL OBSERVATIONS,

	HOURS.			WINDS.		RAIN.	NOVEMBER.		HOURS.			WINDS.		RAIN.	1799.
	5.	3.	9.						5.	3.	9.				
DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.		DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.	
Friday 1	46	29 97	N E			Grey clouds.		Satur. 16	56	30 03				Clear.	
	66	29 96	E	1		Sunshine.			78	30 01	S W	1		Some clouds.	
	60	29 95	E			Duskish.			67	30 00				Some clouds.	
Satur. 2	66	29 94	S E			Cloudy.		Sun. 17	65	29 98	S			Some clouds.	
	74	29 93	S E	1		Dull heavy atmosph.			76	29 86	S	2		Cloudy.	
	65	29 92	E			Duskish.			71	29 86	S		0.01	Rain.	
Sunday 3	60	29 96	N			Foggy, drops of rain.		Mon. 18	45	30 07	S W : N 2			Driving grey clouds.	
	63	29 97	N	2		Cloudy foggy & damp			53	30 07	N			Clearing up.	
	56	29 93				Duskish.			45	30 07	N			Clear.	
Mon. 4	45	29 82				Clear.		Tues. 19	35	30 12	N W			Very fine.	
	68	29 82	N W	1		Some clouds.			57	30 10	N W	1		Fine.	
	57	29 83	N W			Duskish.			41	30 08	W			Fine.	
Tues. 5	54	29 84	N W	1		Cloudy.		Wed. 20	31	30 07	W			Fine.	
	73	29 86	N W			Cloudy.			57	30 07	W	1		Some clouds.	
	52	29 87	N W			Cloudy.			34	30 09	W			Cloudy.	
Wed. 6	64	29 89	N E		0.02	Cloudy, some rain.		Thurs. 21	37	30 09	W			Clear.	
	65	29 90	N E	1		Sunshine.			65	30 09	W	1		Light clouds.	
	63	29 90	N E			Dark.			53	30 09	W			Clear.	
Thurs. 7	61	29 90	N W			Clear.		Friday 22	42	30 07	W			Light clouds.	
	65	29 91	N W	1		Clear.			68	30 04	W			Light clouds.	
	63	29 92	N W			Clear.			40	30 05				Clear.	
Friday 8	61	29 10	N W			Clear.		Satur. 23	40	30 00	W			Light clouds.	
	64	29 89	N W			Clear.			78	29 95	W	1		Light clouds.	
	51	29 89	N W			Clear.			65	29 90	E			Light grey clouds.	
Satur. 9	46	29 89	N W			Clear.		Sun. 24	65	29 76	E	1	0.12	Light rain.	
	67	29 88	N W	1		Clear.			69	29 76	E	1		Cloudy.	
	58	29 88	N			Clear.			56	29 78	S E		0.40	Rain.	
Sunday 10	45	29 88	N W			Clear.		Mon. 25	42	30 00	N E			Clear.	
	67	29 87	N W	1		Clear.			54	30 00	N E			Clear.	
	47	29 87	N W			Clear.			48	30 05				Some clouds.	
Mon. 11	54	29 88	N E			Clear.		Tues. 26	41	30 05	W N W			Cloudy.	
	65	29 88	N E	1		Blue fog.			55	30 00	W			Clear.	
	54	29 90				Fog.			41	29 99				Clear.	
Tues. 12	41	30 13	N	1		Clear.		Wed. 27	41	29 99	W			Clear.	
	54	30 07	N	1		Fine.			51	29 99	W	1		Clear.	
	40	30 07				Clear.			49	29 99				Clear.	
Wed. 13	31	30 00	N W			Very clear.		Thurs. 28	49	30 00				Clear.	
	60	29 98	S E	1		Clear.			60	30 00	N W			Clear.	
	51	29 94	S E	1		Clear.			38	30 00	N W			Clear.	
Thurs. 14	46	29 99	S W	1		Clear.		Friday 29	28	30 01	N W			Clear.	
	71	29 99	S W			Clear.			50	30 02	N W	1		Clear.	
	62	29 99				Clear.			34	30 03	N W			Clear.	
Friday 15	46	30 06				Very clear.		Satur. 30	26	30 05	N W			Clear.	
	72	30 06	S W	1		Very clear.			44	30 00	N E	1		Cloudy.	
	59	30 05				Very clear.			50	29 80	E			Cloudy.	

HOURS.						WINDS.			RAIN.	DECEMBER.						HOURS.						WINDS.			RAIN.	1799.												
5. 3. 9.																5. 3. 9.																						
DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.						DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.						DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.								
Sun. 1	50	29 70	E		1	0.12	Fine rain.						Tues. 17	50	29 93	N		1	0.72	Rain.						Wed. 18	37	29 83	S E		1	0.63	Rain.					
	61	29 66	E		1		Rain.							44	29 93	N E		1		Rain.							42	29 84	S E		1		Cloudy.					
	60	29 63	E			1.72	Rain.							37	29 92	E				Rain.							42	29 84	S E				Cloudy.					
Mon. 2	60	29 63	E			0.02	Small rain.						Thurs. 19	39	29 85	S E		1		Cloudy.						Friday 20	39	29 88	N			0.11	Cloudy & drizzly.					
	56	29 78	N				Cloudy.							42	29 84	S E		1		Cloudy.							40	29 88	N	1			Cloudy & rain.					
	55	29 78	N				Cloudy.							42	29 84	S E				Cloudy.							39	29 88	N				Clearing up.					
Tues. 3	51	29 85	N E				Cloudy.						Sat. 21	37	30 00	N W				Cloudy.						Sunday 22	31	29 96	N W				Light clouds.					
	63	29 85	N E		1		Cloudy.							42	30 00	N W		1		Clearing up.							50	29 95	S E		1		Clouds & sun.					
	50	29 82	N E				Cloudy.							33	29 99					Some clouds.							40	29 93	S E				Clear.					
Wed. 4	57	29 71					Cloudy.						Mon. 23	29	29 96	N W				Clear.						Tues. 24	26	30 00	N W				Clear.					
	65	29 71	N E				Clouds & sunshine.							44	30 00	N		1		Clear.							53	30 00	N W		1		Clear.					
	56	29 71	E				Cloudy.							35	30 00	N				Clear.							38	30 00	N W		1		Clear.					
Thurs. 5	64	29 71	E				Cloudy.						Wed. 25	25	30 16	N W				Clear.						Thurs. 26	47	29 90	S E				Cloudy.					
	71	29 68	E		1		Cloudy.							55	29 90	S E		1		Some clouds.							47	29 90	S E		1		Duskish.					
	55	29 64	E		1	0.61	Rain.							33	29 99												47	29 90	N E									
Friday 6	49	29 74	N W		1		Clear.						Fri. 27	48	29 86	E				Clouds & sunshine.						Sat. 28	59	29 84	S E			0.61	Clearing up.					
	50	30 00	N W		1		Clear.							58	29 81	E		1		Cloudy.							49	29 90	S E		1		Clear.					
	42	30 00	N W				Clear.							54	29 80	E				Rain.							45	29 95	S E				Clear.					
Satur. 7	32	30 12	N W		1		Clear.						Sun. 29	37	29 97	N W				Clear.						Mon. 30	24	30 11	N W		1		Clear.					
	59	30 00	N W		1		Clear.							40	29 98	N W		1		Clear.							45	30 12	N W				Clear.					
	45	30 00	N W				Clear.							35	30 00	N W				Clear.							28	30 12	N W		1		Clear.					
Sun. 8	35	30 00	N				Clear.						Tues. 31	26	30 10	N				Clear.							26	30 10	N				Clear.					
	55	29 88	N E		1		Cloudy.							52	30 00	N E		1		Clear.							52	30 00	N E		1		Clear.					
	49	29 80	N E				Clear.							42	29 69	E											42	29 69	E				Cloudy.					
Mon. 9	38	29 76	E				Some clouds.						Wed. 25	25	30 16	N W				Clear.						Thurs. 26	47	29 90	S E				Cloudy.					
	68	29 76	E				Cloudy.							55	30 00	N W		1		Clear.							47	29 90	S E		1		Some clouds.					
	63	29 75	S E				Cloudy.							37	29 95	E		1		Clear.							47	29 90	N E				Duskish.					
Tues. 10	64	29 74	S				Cloudy.						Fri. 27	47	29 90	S E				Cloudy.						Sat. 28	48	29 86	E				Clouds & sunshine.					
	74	29 73	S		1		Cloudy.							58	29 81	E		1		Cloudy.							54	29 80	E				Rain.					
	71	29 72	S E				Moon shine.							54	29 80	E											49	29 90	S E									
Wed. 11	43	29 72	S E				Cloudy.						Sun. 29	37	29 97	N W				Clear.						Mon. 30	24	30 11	N W		1		Clear.					
	40	29 80	S E				Rain.							40	29 98	N W		1		Clear.							45	30 12	N W				Clear.					
	37	29 80	S			1.24	Rain.							35	30 00	N W				Clear.							28	30 12	N W		1		Clear.					
Thurs. 12	33	29 60	N W		1		Snow diss. on the gr.						Tues. 31	26	30 10	N				Clear.							26	30 10	N				Clear.					
	37	29 70	N W		1		Cloudy.							52	30 00	N E		1		Clear.							52	30 00	N E		1		Clear.					
	32	29 80	N W				Clear.							42	29 69	E											42	29 69	E				Cloudy.					
Friday 13	26	29 85	N W				Clear.						Wed. 25	25	30 16	N W				Clear.						Thurs. 26	47	29 90	S E				Cloudy.					
	51	29 87	N W		1		Clear.							55	30 00	N W		1		Clear.							47	29 90	S E		1		Some clouds.					
	42	29 88	N W				Fine.							37	29 95	E		1		Clear.							47	29 90	N E				Duskish.					
Satur. 14	29	30 03	N W				Very fine.						Fri. 27	48	29 86	E				Clouds & sunshine.						Sat. 28	48	29 86	E				Clouds & sunshine.					
	58	30 03	N W		1		Fine.							58	29 81	E		1		Cloudy.							54	29 80	E				Rain.					
	63	30 97					Fine.							54	29 80	E											49	29 90	S E									
Sun. 15	41	30 05					Clear.						Sun. 29	37	29 97	N W				Clear.						Mon. 30	24	30 11	N W		1		Clear.					
	55	30 02	N				Cloudy.							40	29 98	N W		1		Clear.							45	30 12	N W				Clear.					
	45	30 00					Cloudy.							35	30 00	N W				Clear.							28	30 12	N W		1		Clear.					
Mon. 16	46	29 95	N				Cloudy.						Tues. 31	26	30 10	N				Clear.							26	30 10	N				Clear.					
	66	29 93	N		2		Cloudy.							52	30 00	N E		1		Clear.							52	30 00	N E		1		Clear.					
	65	29 92	N				Rain.							42	29 69	E											42	29 69	E				Cloudy.					

REMARKS.

27th. Observed the Missletoe in fruit.

E

METEOROLOGICAL OBSERVATIONS,

	HOURS.			WINDS.		RAIN.	JANUARY.		HOURS.			WINDS.		RAIN.	1800.
	6.	3.	9.						6.	3.	9.				
DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.		DAYS.	TH.	BAR.	PTS.	STR.	IN.	State of the weather.	
Wed. 1	44	29 60	E	1		Rain.		Friday 17	35	29 80	N W			Clearing up.	
	48	29 70	E	2		Rain.			46	29 85	N W	1		Clear.	
	35	29 87	E	1	0.30	Rain.			35	29 87	N W			Clear.	
Thurs. 2	26	29 84	N			Clear.		Satur. 18	23	29 93	N W			Clear.	
	38	29 83	N E	1		Clear.			53	29 93	N W			Clear.	
	51	29 81	S E			Hazy.			39	29 93	N			Clear.	
Friday 3	21 $\frac{1}{2}$	29 81	N W			Clear.		Sunday 19	28	29 94	N W			Clear.	
	46	29 83	N W	1		Clear.			61	29 95	N W	1		Clear.	
	36	29 84				Clear.			51	29 96	N			Clear.	
Satur. 4	30	29 90	N W	1		Clear.		Mon. 20	34	29 96				Clear.	
	55	29 95	N W	1		Clear.			64	29 96	N E	1		Some clouds.	
	39	30 00	N W			Clear.			54	29 96	N E			Clear.	
Sunday 5	32	29 97	N W			Clear.		Tues. 21	34	29 96	E			Some clouds.	
	55	29 94	N W	1		Clear.			57	29 95	E	1		Cloudy.	
	44	29 91				Clear.			46	29 94	E			Star light.	
Mon. 6	33	29 90	N			Some clouds.		Wed. 22	35	29 84	E		0.05	Rain.	
	66	29 80	S E	1		Clouds & sun.			60	29 80	E	1		Cloudy.	
	53	29 74	S W			Clear.			57	29 80	E			Cloudy.	
Tues. 7	42	29 80				Clear.		Thurs. 23	36	29 74	E		0.05	Rain.	
	55	29 83	S W	1		A little cloudy.			58	29 74	E	1		Cloudy & light rain.	
	36	29 85				Cloudy.			55	29 74	E		0.20	Rain.	
Wed. 8	45	30 05	W	1		Clearing up.		Friday 24	45	29 80	N E		0.10	Rain.	
	55	30 05				Clouds & sunshine.			46	29 82	N	1		Cloudy.	
	44	30 05				Clouds & sunshine.			40	29 84	N	1		Cloudy.	
Thurs. 9	40	30 05	N			Clouds & sunshine.		Satur. 25	30	29 86	N	1		Cloudy.	
	45	30 05	N	1		Clear.			47	29 86	N E			Cloudy.	
	34	30 04	N			Clear.			47	29 86	N E			Cloudy.	
Friday 10	30	30 05	N W			Clear.		Sunday 26	40	29 87	N E	1		Cloudy.	
	40	30 04	N W	1		Very fine.			54	29 88	N E	1		Drizzly.	
	29	29 94	N			Clear.			49	29 88	N E	1		Drizzly.	
Satur. 11	23	29 95	N W			Clear.		Mon. 27	45	29 92	N	1		Cloudy.	
	47	29 96	N W	1		Clear.			48	29 99	N	1		Cloudy.	
	41	29 96	N W			Clear.			48	30 07	N	1		Clearing up.	
Sunday 12	33	29 96	N W	1		Clear.		Tues. 28	36	30 08	N			Clear.	
	49	29 96	N W	1		Clear.			52	30 10	N	1		Small clouds.	
	42	29 96	N			Clear.			42	30 10	N	1		Clear.	
Mon. 13	32	29 97	N W			Clear.		Wed. 29	33	30 12	N W	1		Clear.	
	63	29 98	N E	1		Clear.			53	30 12	N	1		Some clouds.	
	46	29 99	N			Clear.			45	30 13	N	2		Cloudy & dark.	
Tues. 14	36	29 99	E			Clear.		Thurs. 30	35	29 95	N E			Clear.	
	66	29 95	E			Clear.			47	29 95	N E	2		Clear.	
	47	29 91	E			Clear.			41	29 95	E	1		Cloudy & dark.	
Wed. 15	35	29 88	E			Clear.		Friday 31	29	29 95	N	1		Snow.	
	68	29 80	E			Clear.			32 $\frac{1}{2}$	29 95	N E	2		Snow.	
	56	29 74	E			Clear.			32	29 95	N E	1		Rain.	
Thurs. 16	54	29 74	E			Cloudy.									
	60	29 74	E			Rain.									
	45	29 74	E		0.62	Rain.									

REMARKS.

31st. As the rain fell it froze, adhering to the branches of the trees in beautiful icicles, resembling some trees in blossom: Many large limbs were broken down in the night and following day, by the weight of the ice.

RECAPITULATION.

	THERMOMETER.			BAROMETER.			RAIN.
	Greatest height.	Least height.	Mean height.	Greatest height.	Least height.	Mean height.	
	DEG.	DEG.	DEG.	INCHES.	INCHES.	INCHES.	INCHES.
February.	75	19 $\frac{3}{4}$	47 $\frac{3}{4}$	30 25	29 53	29 759	9 125
March.	76	29	51 $\frac{3}{4}$	30 24	29 53	29 928	3 84
April.	86	37	67 $\frac{1}{4}$	30 00	29 51	29 772	2 970
May.	87	54	73	30 04	29 63	29 871	0 81
June.	92	65	79	30 02	9 79	29 888	2 84
July.	92	70	79 $\frac{3}{4}$	29 98	29 78	29 862	2 13
August.	90	65	73 $\frac{1}{4}$	29 99	29 77	29 857	3 86
September.	90	62	75 $\frac{1}{2}$	29 95	29 63	29 712	4 855
October.	85	44	65 $\frac{1}{2}$	30 11	29 76	29 510	1 71
November.	78	26	54 $\frac{1}{2}$	30 13	29 76	29 966	0 55
December.	68	24	46 $\frac{1}{2}$	30 16	29 63	29 970	5 78
1800, January.	66	21 $\frac{1}{2}$	43 $\frac{1}{2}$	30 13	29 60	29 900	1 30
Whole year.	92	19 $\frac{3}{4}$	63 $\frac{1}{8}$	30 25	29 51	29 833	39 770